

## Abstract

According to the present invention, hybridization reaction and washing steps can be carried out continuously without taking out the substrate from the apparatus, thereby simplifying manipulation of the experiment.

A reaction solution or a washing solution is injected with a pump 6 and discharged with a pump 22 into and from a case 3 which accommodates a substrate 1 immobilized with biological substances. As the substrate 1, a disc-shaped substrate with a throughhole at the center is used. An agitator 2 is placed in the throughhole to agitate the reaction solution or the washing solution during the hybridization reaction or the subsequent washing, thereby shortening the reaction time and the washing time.